INSTRUCTION MANUAL

model

SA-93

7.62 mm
SEMI-AUTOMATIC RIFLE

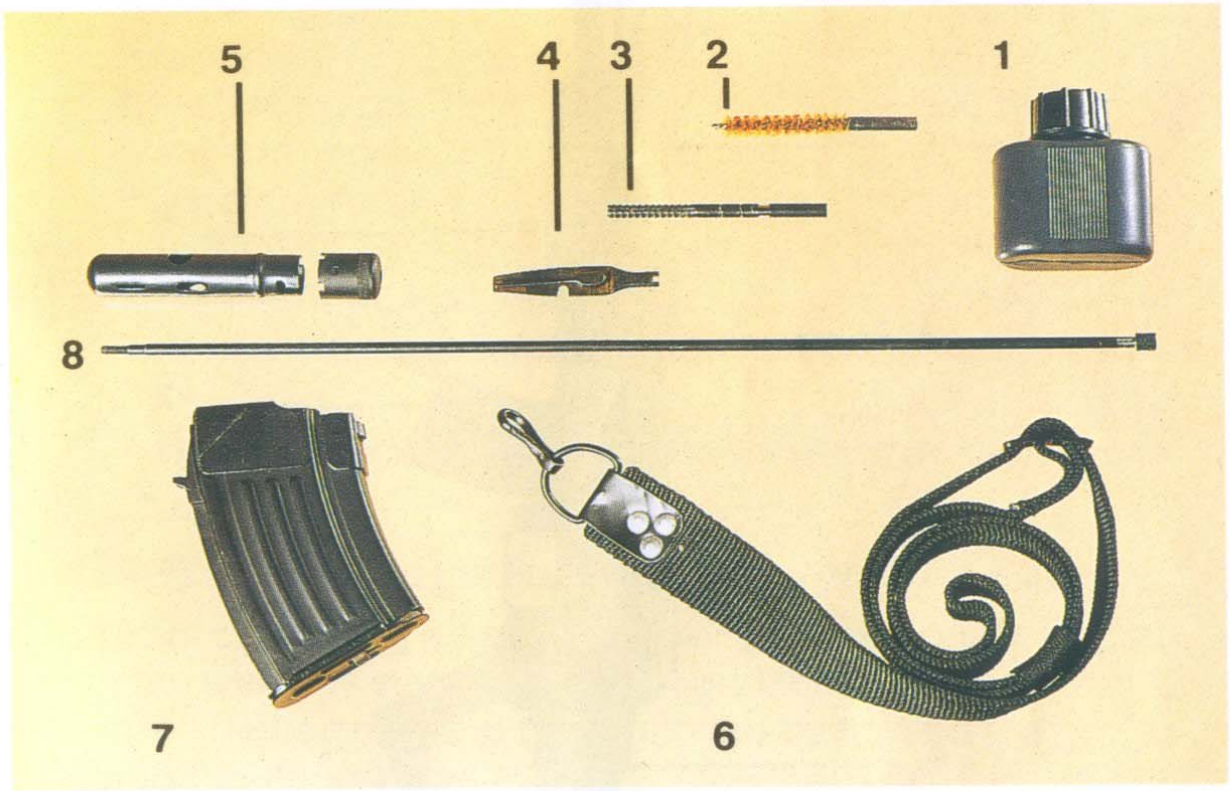
WARNING:

Before using this firearm, read carefully and follow these instructions.

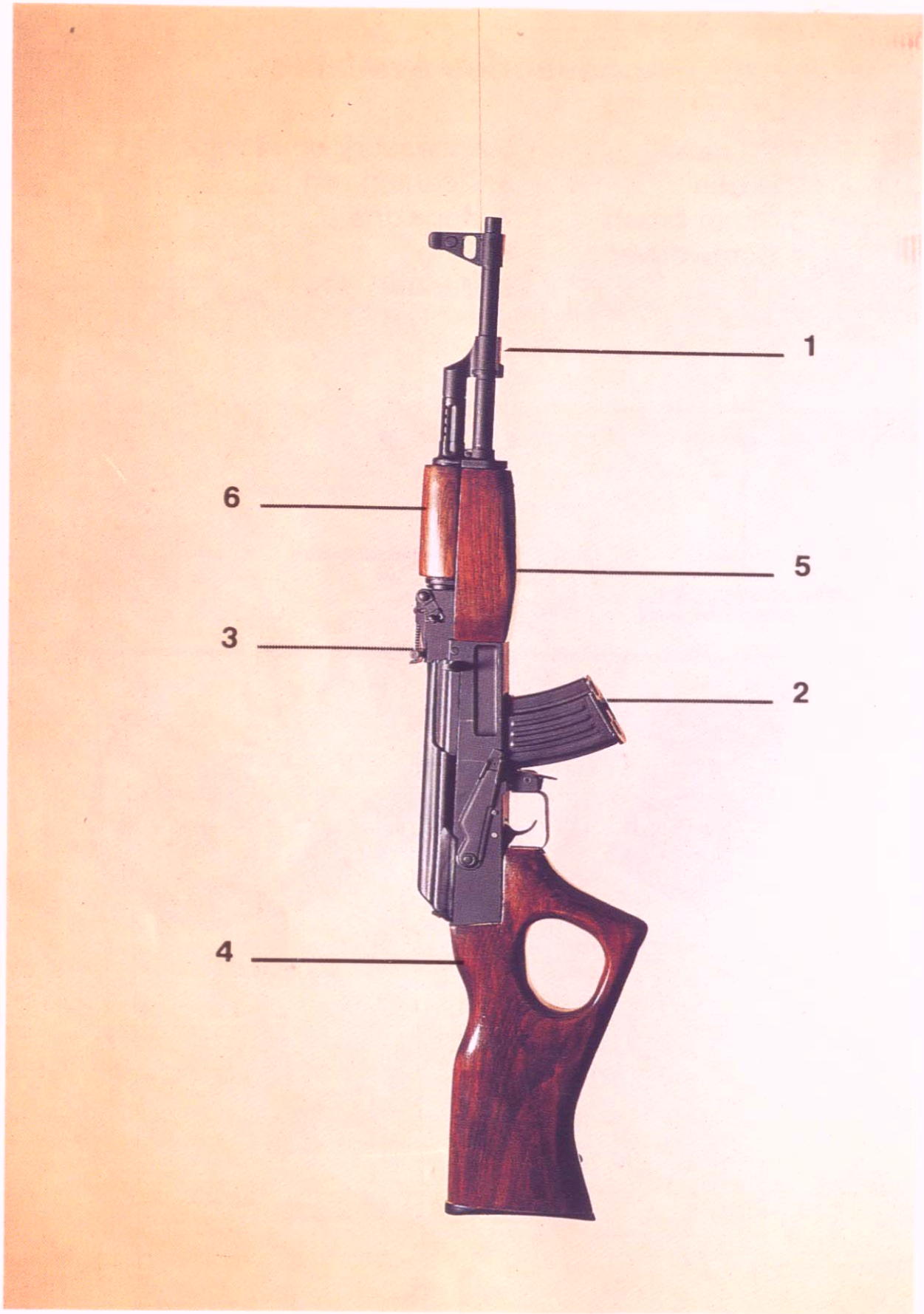
This Instruction Manual should always accompany this firearm and be transferred with it upon change of ownership.

Accessories available

1.Oil can
2.Brush
3.Slush brush
4.Screwdriver
5.Accessory box (for 2,3,4)
6.Cleaning rod
7.Magazine
8.Sling
9.Manual



SA - 93



SA - 93

SA-93 is a sporting semi-automatic rifle meeting the modern and accuracy requirements for modern sporting firearm

PERFORMANCE

Calibre	7.62x39
Total lengtn	900 mm
Barrel length	415 mm
Weight without magazine	3.835 kg
Muzzle velocity	715 m/s
Rate of fire	40 rds/min
Effective range	400 m
Maximum range	2000 m
Rear sight range	800 m
Weight with packing	9,750 kg
Overal size of packing	1000/300/100

Brief description of rifle construction

SA-93 belongs to the firearms which action is based on the principle of conveying a part of powder gasses thought a special port in the wall of a stationary barrel and their influence onto the piston.(1) The barrel slot is being closed by turning the bolt and engaging the firing stops in the receiver housing

The feeding of cartridges into the rifle is carried out from an arcuated magazine with a capacity of 5 rounds.(2)

The sight consist of sectors marked for shooting at a distance up to 800 m.(3)

The striker mechanism has a striking hammer that is being activated by the firing spring

All the working parts of the rifle are made of solid steel: the buttstock and the forearm are wooden(4,5,6).

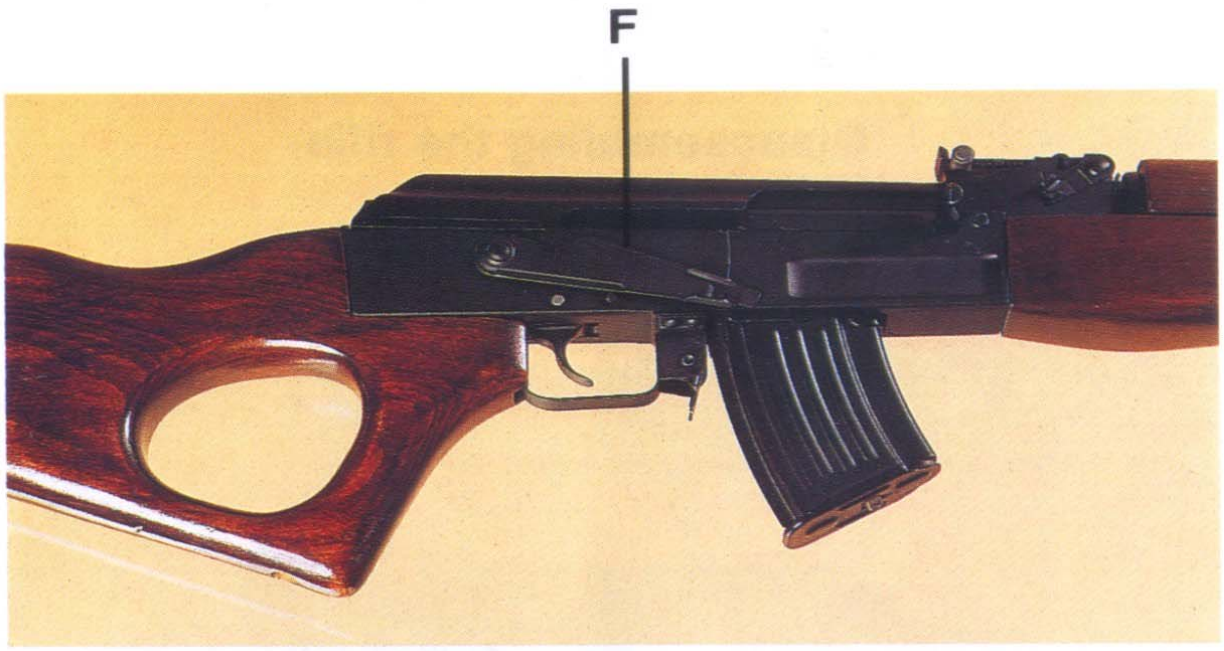
Safety operation manual

This rifle is equipped with a manually operated safety device in the form of a long pivoted lever located on the right hand side of the receiver. When set in the upper „safe“ position a letter „S“ on the receiver is visible just forward of the tip of the lever. (pic.1) In this safety position trigger is blocked from being pulled to release the hammer and fire the rifle. In addition , it serves two other functions when„ON SAFE“(S): it prevents foreign matter from entering the mechanism through the bolt handle slot in the receiver cover and also prevents the handle being pulled far enough to the rear to pick up and feed a round from a loaded magazine into the empty barrel chamber.

To set to „FIRE“(F) position, the lever must be pushed downwards with the thumb until it clicks to a stop. Again, a letter indicating that the safety is in „FIRE“(F) mode will be visible just forward of the lever tip. The trigger may now be pulled to fire the rifle as described previously. (pic. 2)

picture 1

SA - 93



picture 2

Caution :

Unless you are actually firing or plan to do so immediately, the safety lever should be kept in „ON SAFE"(S) position, regardless of whether the rifle is loaded or unloaded.

Unloading the rifle

With the rifle pointed in a safe direction the magazine is gripped with the firing hand, with the thumb placed behind the magazine release lever. While pressing this lever forward simultaneously sweep the magazine body forward and down to remove the magazine from the rifle receiver. Still holding the rifle by forearm , push the safety lever to the lower or „FIRE"(F) position. Grip the bolt handle and pull it fully to the rear to extract and eject any unfired round that may remain in the barrel chamber. Hold the handle to the rear and visually inspect both barrel chamber and bolt face to confirm the unloaded status. Release the bolt handle and while pointed in a safe direction, leave the trigger to drop the hammer on an empty chamber. Now push the safety lever to on "SAFE"(S) position.

To unload the magazine, push forward with the thumb in the base of each cartridge/opposite bullet end / until is released by the feed lips.

Disassembling the rifle

Caution :

Check to be certain the rifle is fully unloaded as described previously and safety is set to „SAFE"(S) position.

picture 3

Removal of magazine from the carbine(pic.3)

Holding the carbine in your left hand by the stock, you turn it a bit to our body so that the magazine will be facing you, and then holding the magazine in your right hand and pressing the magazine lock with the thumb of the same hand you tilt the magazine forward and remove it from the receiver opening

Safety lock release

By the thumb of the right hand , push the selector lever downwards to the limit position of "FIRE"(F).

picture 4

Removing the receiver cover (pic.4)

Hold the butt stock firmly in one hand. With the thumb of the other hand, push the end of the recoil guide, lift the receiver cover upward and back from its rear end.

picture 5

Removing the recoil guide (pic.5)

With the receiver cover off, grip the end of the recoil guide and spring unit, and push it forward until it clears its grooved seat in the receiver. Lift it up slightly and pull it straight back to remove the unit from the bolt carrier / gas piston unit.

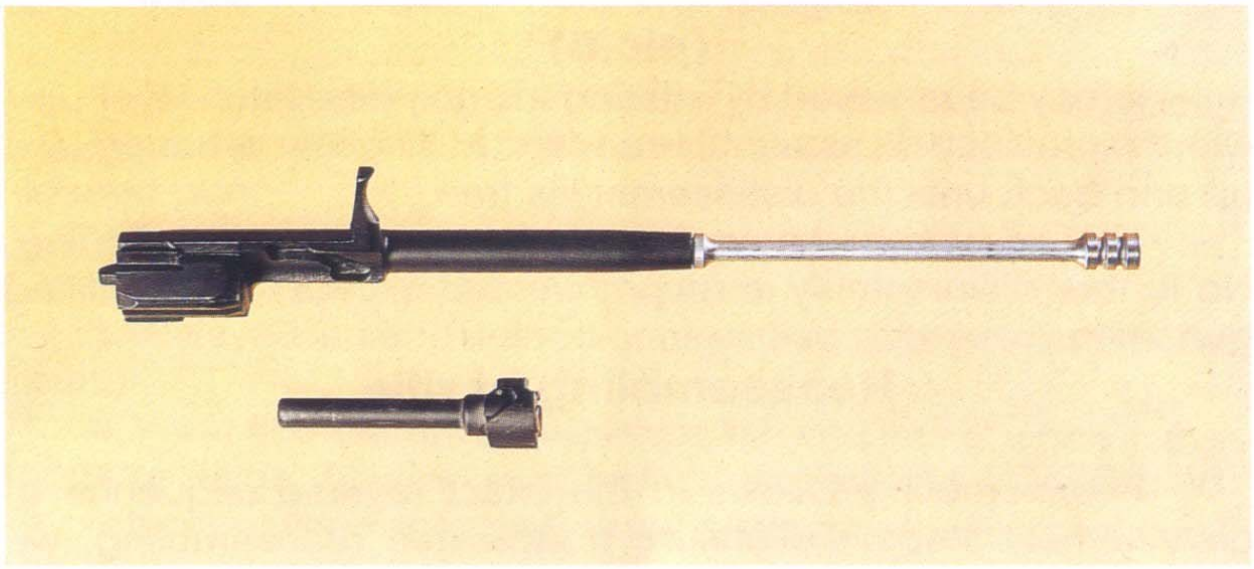
picture 6

Removing the bolt carrier with the bolt (pic.6)

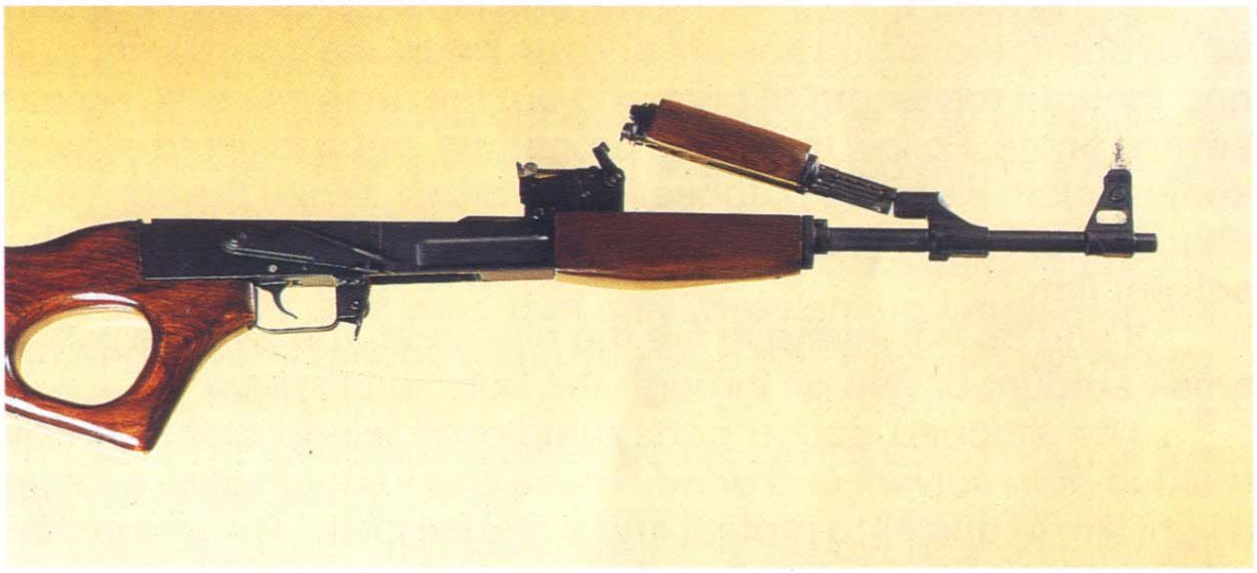
Place the safety to the „FIRE" position. Grip the bolt handle and draw it back firmly to the full rear of its travel. Lift the bolt carrier slightly from the receiver and draw it to the rear and out of the gas tube and handguard assembly.

Removing the bolt from the bolt carrier (pic.7)

To remove the bolt from the bolt carrier push the bolt to its rear position in the carrier and rotate it counterclockwise. Then push the bolt forward and out of its bore in the carrier.



picture 7



picture 8

Removing the gas tube and handguard assembly (pic.8)

It may be removed by rotating the gas tube latch lever up / with the provided disassembly tool / and pulling rear of handguard up and back until the disassembly is free.

This complete what is commonly known as field stripping. No further disassembly is recommended except by a qualified gunsmith.

Reassembling of rifle

Reassembling follows in the exact reverse sequence of disassembly steps. To ensure trouble-free reassembling, we recommend that you pay close attention to the exact location and position of parts during disassembly, for ease of reassembling.

Cleaning

With the rifle in field stripped condition:

Using a suitable cleaning rod and brush, saturate the brush with a commercial gun solvent and run the brush from the muzzle end thought the length of bore and out the chamber end, repeat several times. Follow this same procedure but substitute solvent soaked cloth cleaning patches for the brush. When the bore and chamber are clean, run dry cloth patches through to remove the solvent film.

If you do not intend to fire the rifle soon, run a patch with a small amount of gun oil through the bore to preserve it.

The stripped action parts should be wiped clean of any residue with solvent and dried. These parts should then receive a light film of gun oil to protect and lubricate them. The gas piston and gas tube, however should not be oiled, just cleaned and dried. Ensure the bore is cleaned before firing

All exterior metal surfaces should be periodically wiped clean and lightly oiled.

Safety rule warnings

1. Always empty guns before carrying into house, car, truck, R. V., boat, etc. . Never climb a tree or fence, or wall while carrying a loaded gun.

2. Don't horseplay with a gun. Your gun can't think, but you can. Firearms safety depends on you.

3. Always load and unload guns with muzzle pointing at the ground.

4. Wear fluorescent orange vest, hat and jacket when in the woods or fields. Always wear protective shooting glasses and ear protection when shooting on the range boat, or in a field , or forest.

5. Never let a gun rest against a tree, fence or wall. Never leave a loaded gun lying on the ground or propped against a rock, car, tree or any other object.

6. Never leave a gun unattended. Never leave a gun where it could fall and accidentally discharge.

7. Never assume that a gun is unloaded.

8. Never accept a gun without opening it to check for yourself whether or not it is loaded.

9. Never take a gun out of a car, boat or R.V. by pulling it toward you by the muzzle. Never have a loaded gun in a house, car, boat, R.V. , truck, etc..

10. Use only standard loads from reputable manufacturers.

11. Always load your gun only when on the range or in the field and ready to shoot, when you stop shooting, unload before leaving the field or range

12. Store guns and ammunition separately and beyond the reach of children.

13. Never put your hand over the muzzle of a gun. Never shoot at flat hard surfaces or at the surface of water.

14. Never pull the trigger unless shooting at a target or unless you have checked to make sure whether the gun was loaded.

15. Should a gun fail to discharge after trigger has been pulled, keep gun pointing at target for at least 30 seconds. Sometimes a slow burning primer will not ignite promptly and cause a hang fire.

16. Get instructions from a competent firearms instructor before using any gun.

17. Check ammunition to see if it is the right size

18. Never take alcohol, drugs or medications immediately before or during shooting activities.

19. Alterations of trigger pull will usually alter sear engagement and can cause accidental discharge

20. Reloaded cartridges can be dangerous to you and to your gun

21. Spectators should always be at least 10 feet in back of and not in line with the breech of any gun when you are shooting.

22. Always keep your finger off the trigger until you are ready to shoot

23. Never rely on a gun's „SAFETY" to compensate for unsafe gun handing.

A safety is only a mechanical device, it is not a substitute for common sense

Warning:

Before firing this rifle , be absolutely certain there are no obstructions in the barrel bore and chamber, such as grease, mud, snow, or cleaning patches etc.. Also check your ammunition to determine that it is in good condition and that is the correct calibre and specific type of commercial manufacture intended for this gun. The proper calibre description / stamped on the left receiver wall of the rifle / is 7.62 x 39m.

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